

3 1/2 DIGITAL PANEL METER

CSM-321

FEATURE

- Measuring DCA, DCV, ACA, ACV, Hz
- Accuracy: DC: $\pm 0.1\%$, AC: $\pm 0.2\%$
- 3 1/2 Digital display: 1999
- Peak Hold function (Option)
- Easy-to-wire, screw type terminal
- Outside dimensions is 1/8 DIN standard (96x48 mm)
- High stability & low cost

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MEASUREMENT

Measuring Range	Resolution	Input Impedance	Variable to be Measured
Current	199.9 uA	0.1 uA	$\leq 1K$ ohm
	1.999 mA	0.001 mA	≤ 100 ohm
	19.99 mA	0.01 mA	≤ 10 ohm
	199.9 mA	0.1 mA	≤ 1 ohm
	1.999 A	0.001 A	≤ 0.05 ohm
	5.00 A	0.01 A	≤ 0.02 ohm
	10.00 A	0.01 A	≤ 0.01 ohm
Voltage	199.9 mV	0.1m V	$\geq 5M$ ohm
	1.999 V	0.001 V	$\geq 1M$ ohm
	19.99 V	0.01 V	$\geq 1M$ ohm
	199.9 V	0.1 V	$\geq 1M$ ohm
	300 V	1 V	$\geq 1M$ ohm
	600 V	1 V	$\geq 1M$ ohm
Freq.	199.9 Hz	0.1 Hz	$\geq 1M$ ohm
	1999 Hz	1 Hz	$\geq 1M$ ohm

SPECIFICATION

Measuring:	DC: $\pm 0.1\%$ F.S. ± 1 digit $\pm 0.5\%$ F.S. ± 1 digit (Peak Hold) AC: $\pm 0.2\%$ F.S. ± 1 digit $\pm 0.75\%$ F.S. ± 1 digit (Peak Hold) Option: Current: 20 Amax. Volt: 1000 Vmax.
Span adjustment:	$\leq 10\%$ of R.O.
Zero adjustment:	$\leq 2\%$ of R.O.
Sampling time:	About 3 cycles/sec.
Polarity display:	When input is negative "-"
Over-range indication:	"1" display
Max. input over capability:	Voltage: 1.2 x rated continuous 1.5 x rated for 10 seconds Current: 10 x rated for 10 seconds
Decimal point:	Settable to any digit position
Operation temperature:	0-60 °C
Operation relative humidity:	20-95 %R.H.
Temperature coefficient:	≤ 100 PPM/°C (0-50°C) ≤ 50 PPM/°C (23 \pm 3°C)
Storage temperature:	-10-70°C
Power Supply:	AC 115/230V $\pm 10\%$, 50/60Hz Option: DC 12V, 24V, 48V $\pm 10\%$ (Isolated)
Power consumption:	DC 3W, AC 4.5VA
Dielectric Strength:	AC 2.0 KV for 1 min. (Between Power / Input) AC 3.0 KV for 1 min. (Between Terminal / Case)
Weight:	370g

ADJUSTMENT

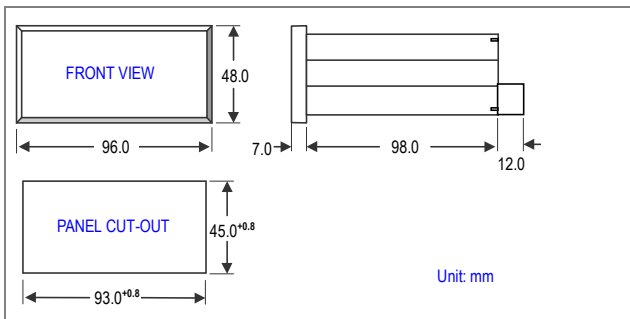
5 Display Range Section:

Section	Jumper	Display Range	Section	Jumper	Display Range
1		1999-1700	5		900- 625
2		1725-1300	6		625- 425
3		1300- 900	7		425- 300
4		1200- 825	8		300- 200

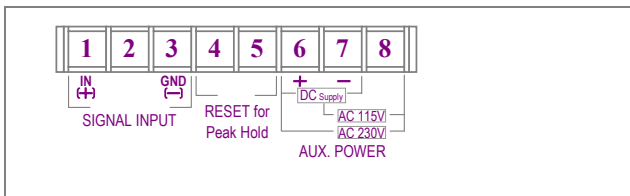
4 Decimal Point Jumper:

The meter is calibrated at the factory per order. If your meter will need to be re-calibrated: " only by qualified Technicians ".

DIMENSIONS



CONNECTION DIAGRAM



ORDER INFORMATION

